

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028711.D
 Acq On : 27 Oct 2022 11:34
 Operator : SY/MD
 Sample : N5232-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHA65

Quant Time: Oct 28 02:16:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 02:13:29 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	153832	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	144777	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	62960	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	74863	6.997	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 140.000%#	
7) Chloroethane-d5	1.565	69	74791	8.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 165.400%#	
11) 1,1-Dichloroethene-d2	2.102	63	109125	5.273	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 105.400%	
20) 2-Butanone-d5	3.892	46	159901	65.545	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 131.100%#	
24) Chloroform-d	4.339	84	117716	6.336	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 126.800%#	
26) 1,2-Dichloroethane-d4	5.027	65	61914	6.568	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 131.400%#	
32) Benzene-d6	5.040	84	250233	6.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 129.200%#	
36) 1,2-Dichloropropane-d6	6.063	67	83957	6.850	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 137.000%	
41) Toluene-d8	7.310	98	203520	6.736	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 134.800%#	
43) trans-1,3-Dichloroprop...	7.622	79	12739	3.346	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 67.000%	
46) 2-Hexanone-d5	8.088	63	101070	57.022	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 114.040%	
56) 1,1,2,2-Tetrachloroeth...	10.207	84	52181	6.420	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 128.400%#	
66) 1,2-Dichlorobenzene-d4	11.616	152	61799	7.116	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 142.400%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3370	0.278	ug/L	94
5) Vinyl chloride	1.311	62	670	0.056	ug/L #	1
6) Bromomethane	1.523	94	2215	0.385	ug/L	92
8) Chloroethane	1.581	64	5019	0.613	ug/L	85
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1031	0.108	ug/L #	25
12) 1,1-Dichloroethene	2.098	96	1016	0.120	ug/L #	1
16) Methylene chloride	2.503	84	2493	0.214	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	4105	0.185	ug/L #	66
19) 1,1-Dichloroethane	3.192	63	1480	0.072	ug/L #	77
22) cis-1,2-Dichloroethene	3.899	96	1131	0.111	ug/L #	77
25) Chloroform	4.365	83	8665	0.434	ug/L	91
33) Benzene	5.095	78	36769	0.850	ug/L	100
35) Methylcyclohexane	6.063	83	17775	1.200	ug/L #	17
51) Chlorobenzene	8.876	112	153493	5.941	ug/L	98
60) Isopropylbenzene	9.928	105	7867	0.199	ug/L #	80
61) 1,2,3-Trichloropropane	11.243	75	16652	3.080	ug/L #	61
62) 1,3,5-Trimethylbenzene	10.915	105	686	0.059	ug/L	91
65) 1,4-Dichlorobenzene	11.265	146	19033	1.118	ug/L	97
67) 1,2-Dichlorobenzene	11.635	146	9658	0.619	ug/L	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102722\
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QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

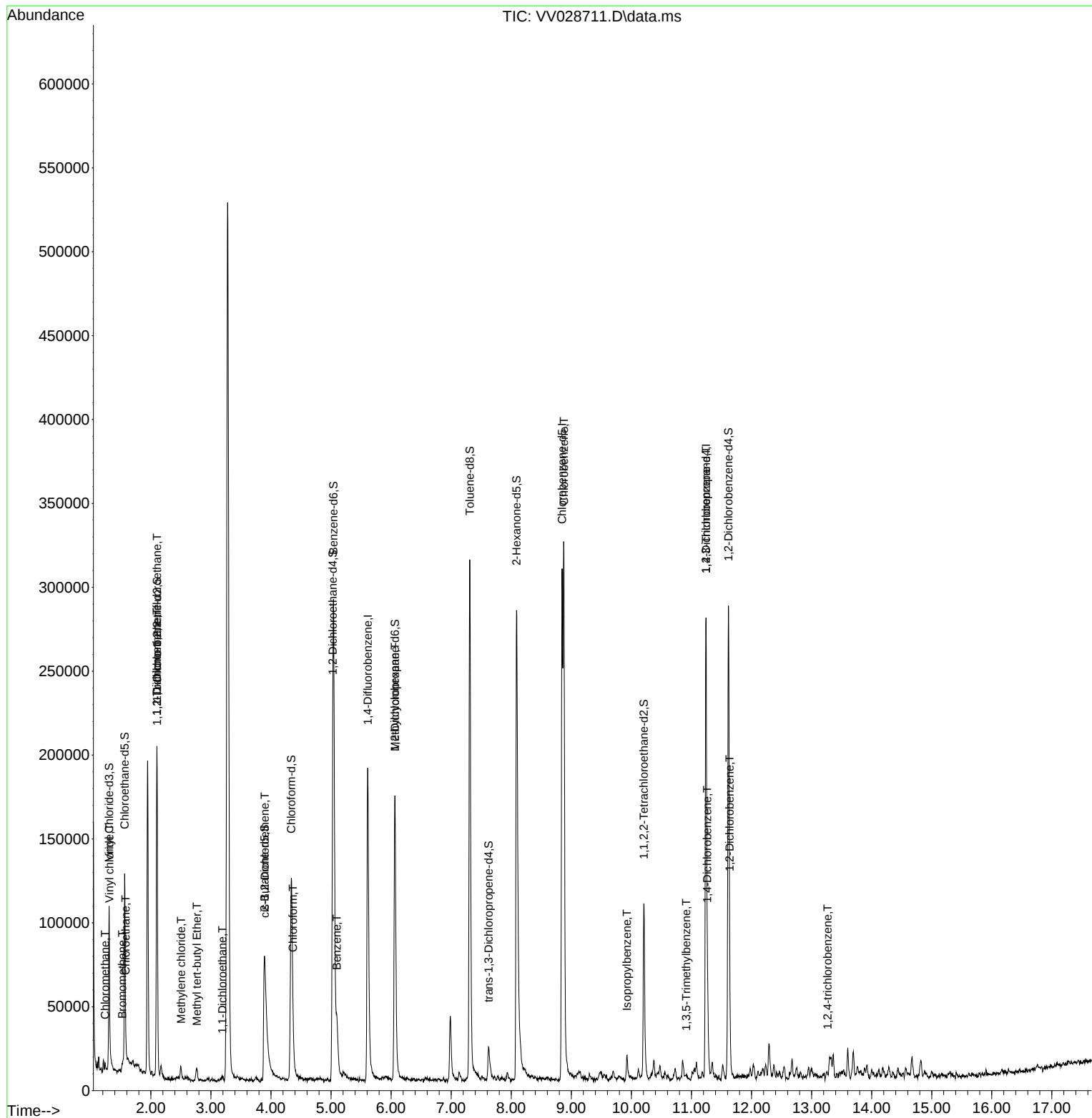
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	13.268	180	585	0.059	ug/L #	1

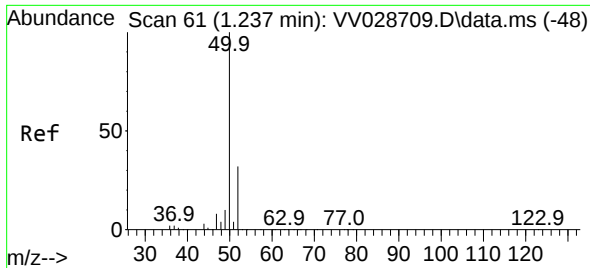
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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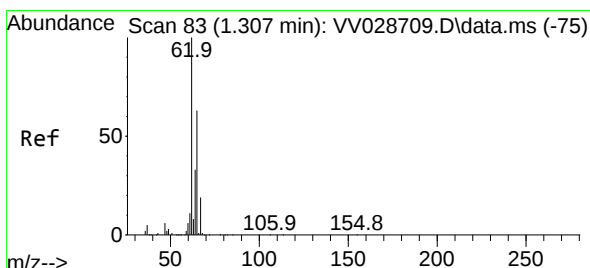
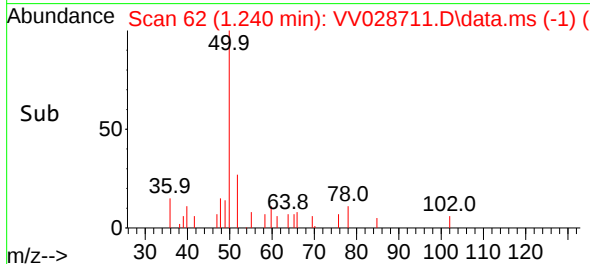
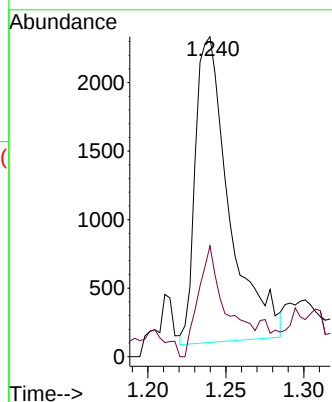
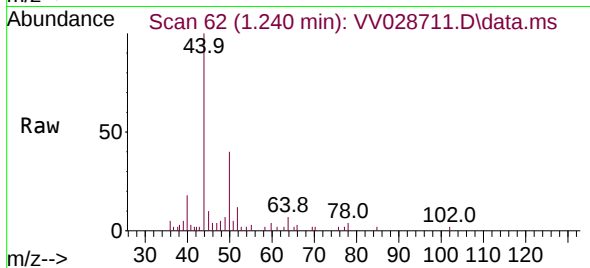




#3
Chloromethane
Concen: 0.278 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

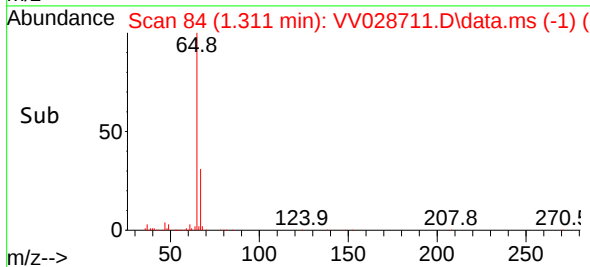
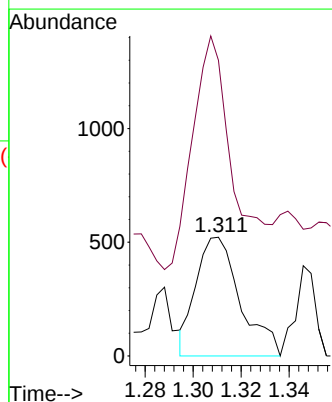
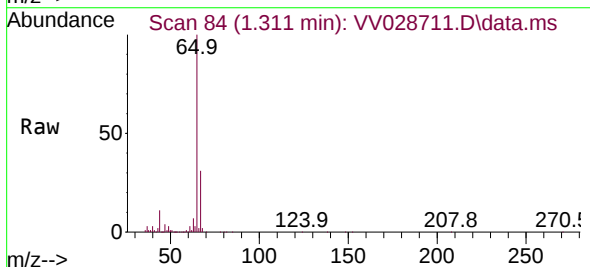
Instrument :
MSVOA_V
ClientSampleId :
BHA65

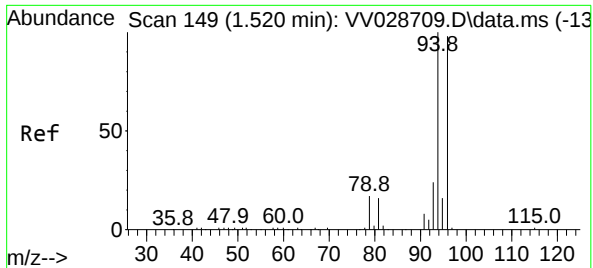
Tgt Ion: 50 Resp: 3370
Ion Ratio Lower Upper
50 100
52 34.6 21.8 40.6



#5
Vinyl chloride
Concen: 0.056 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 62 Resp: 670
Ion Ratio Lower Upper
62 100
64 249.0 22.0 41.0#

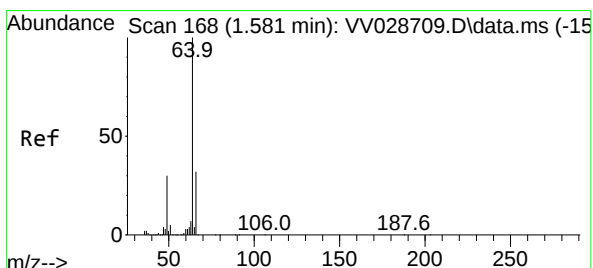
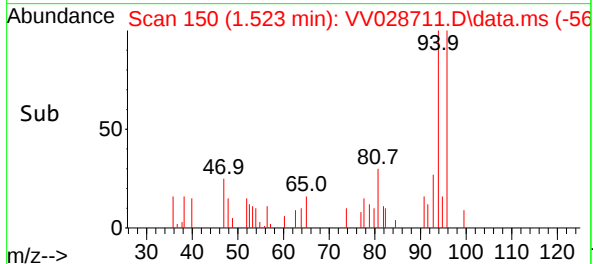
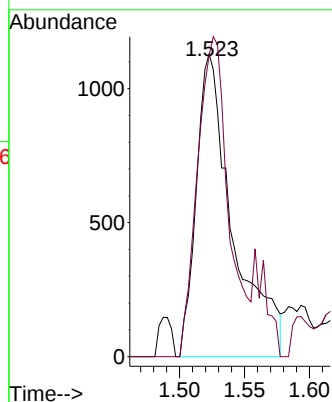
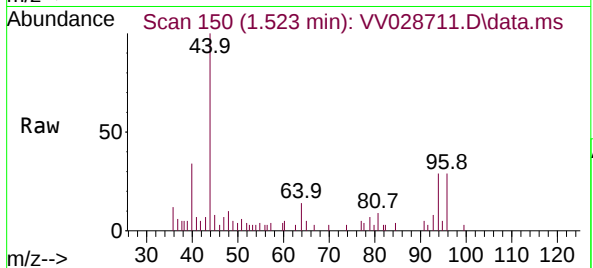




#6
Bromomethane
Concen: 0.385 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

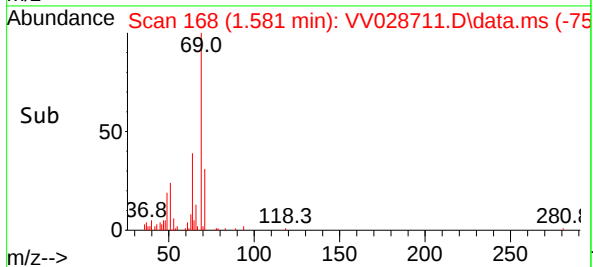
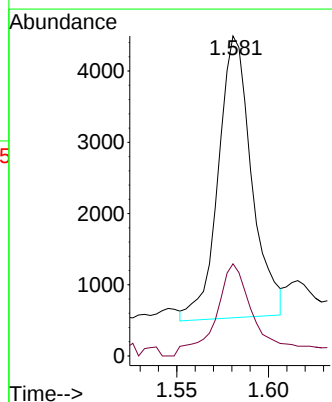
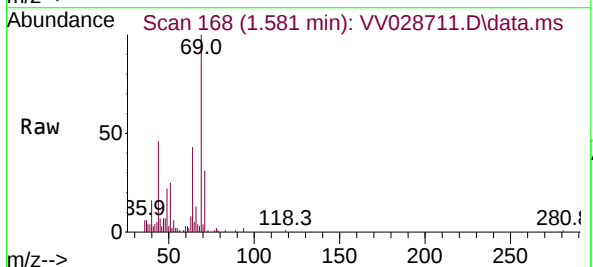
Instrument :
MSVOA_V
ClientSampleId :
BHA65

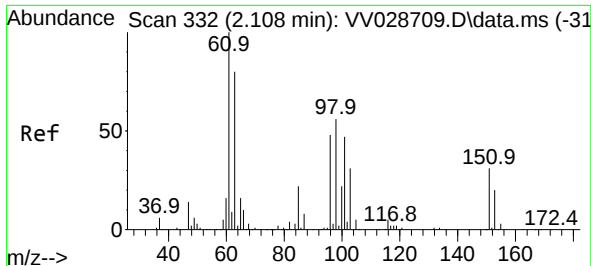
Tgt Ion: 94 Resp: 2215
Ion Ratio Lower Upper
94 100
96 99.6 64.3 119.3



#8
Chloroethane
Concen: 0.613 ug/L
RT: 1.581 min Scan# 168
Delta R.T. 0.000 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 64 Resp: 5019
Ion Ratio Lower Upper
64 100
66 25.8 23.9 44.5

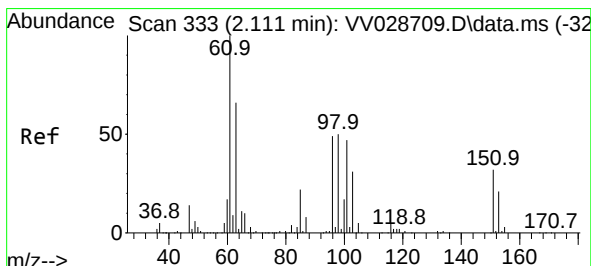
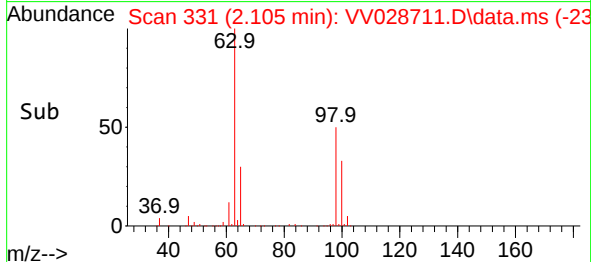
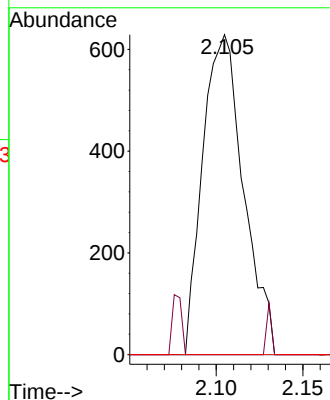
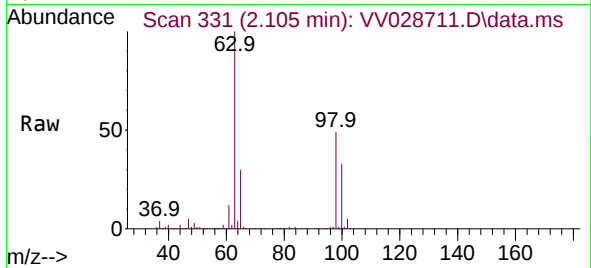




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.108 ug/L
RT: 2.105 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

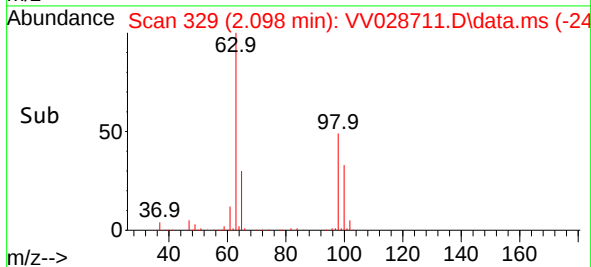
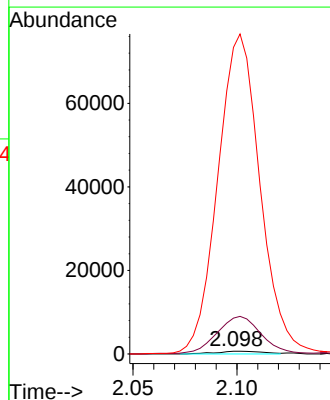
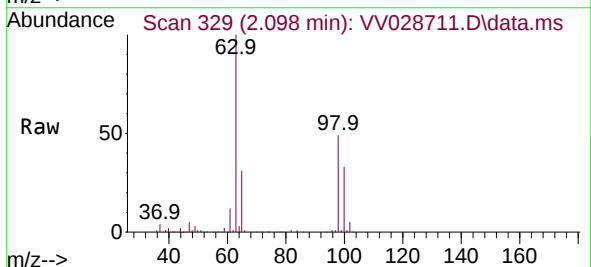
Instrument :
MSVOA_V
ClientSampleId :
BHA65

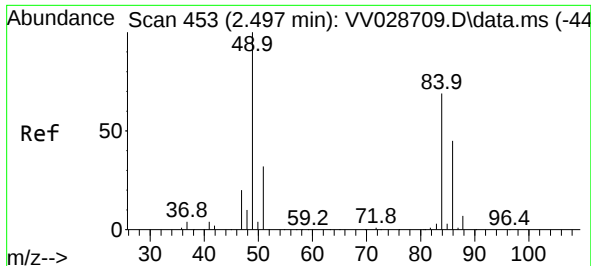
Tgt Ion:101 Resp: 1031
Ion Ratio Lower Upper
101 100
85 1.8 37.0 55.6#
151 0.0 50.2 75.2#



#12
1,1-Dichloroethene
Concen: 0.120 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.013 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 96 Resp: 1016
Ion Ratio Lower Upper
96 100
61 1303.5 148.1 275.1#
63 11138.1 133.3 247.7#

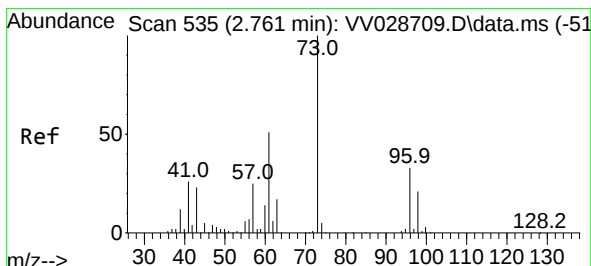
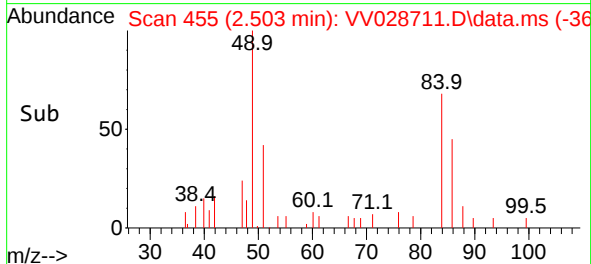
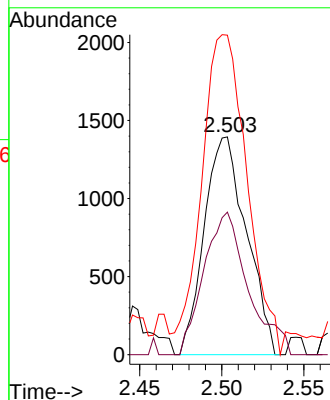
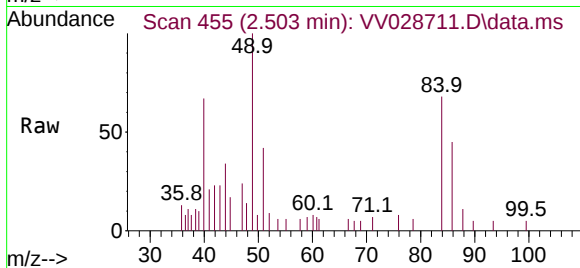




#16
Methylene chloride
Concen: 0.214 ug/L
RT: 2.503 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

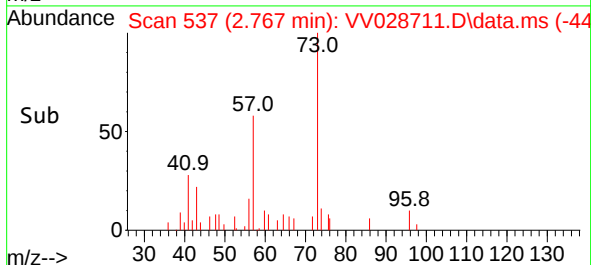
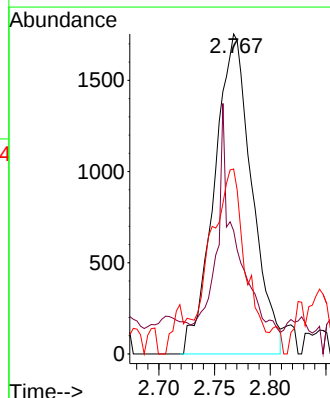
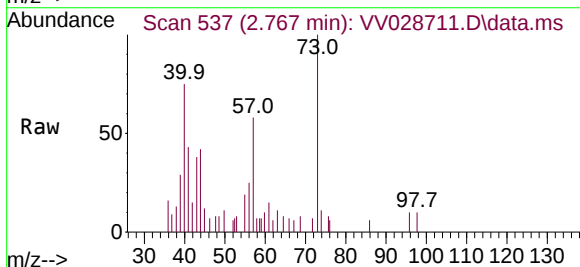
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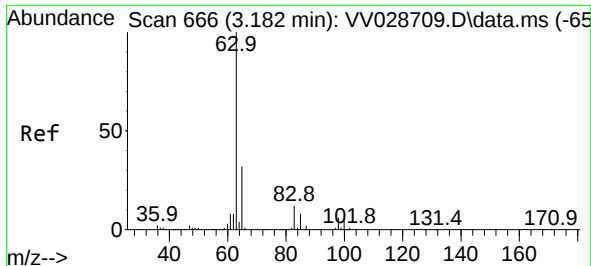
Tgt Ion: 84 Resp: 2493
Ion Ratio Lower Upper
84 100
86 65.4 44.4 82.4
49 158.5 110.8 205.8



#17
Methyl tert-butyl Ether
Concen: 0.185 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 73 Resp: 4105
Ion Ratio Lower Upper
73 100
43 33.5 18.0 27.0#
57 47.1 20.0 30.0#





#19

1,1-Dichloroethane

Concen: 0.072 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV028711.D

Acq: 27 Oct 2022 11:34

Instrument :

MSVOA_V

ClientSampleId :

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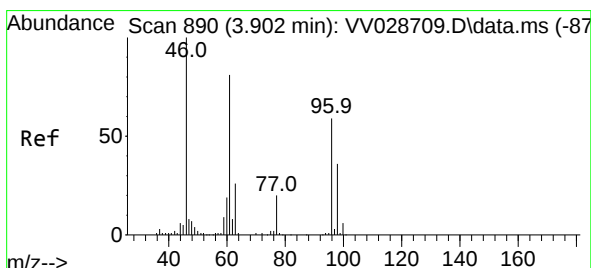
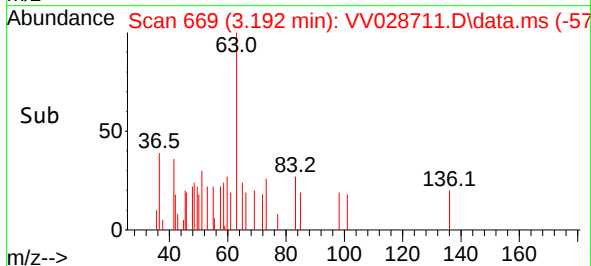
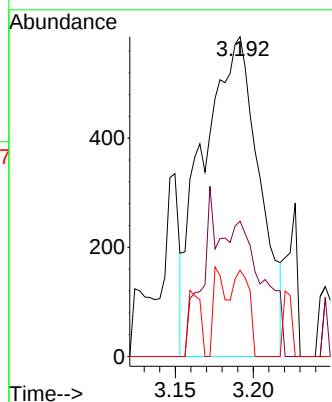
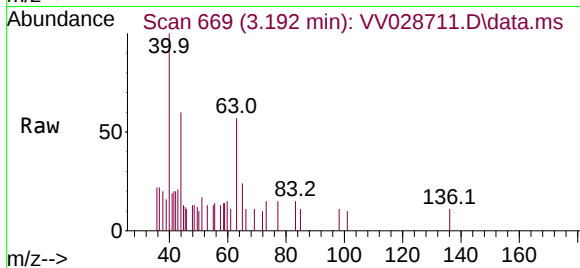
Tgt Ion: 63 Resp: 1480

Ion Ratio Lower Upper

63 100

65 42.3 23.1 42.9

83 27.0 7.9 14.7#



#22

cis-1,2-Dichloroethene

Concen: 0.111 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.003 min

Lab File: VV028711.D

Acq: 27 Oct 2022 11:34

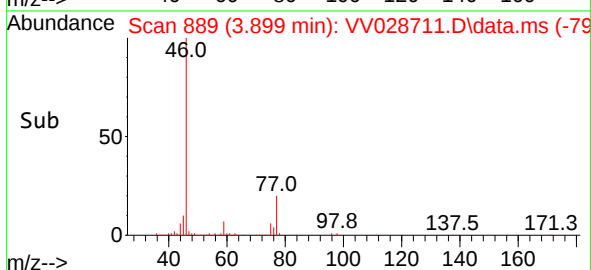
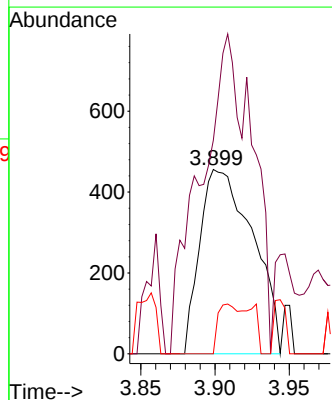
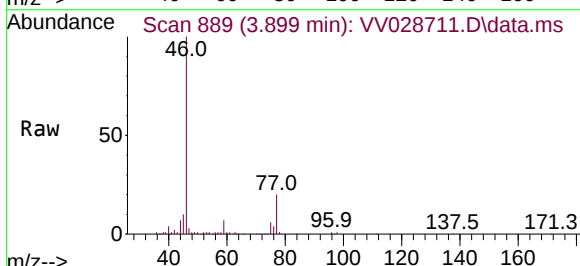
Tgt Ion: 96 Resp: 1131

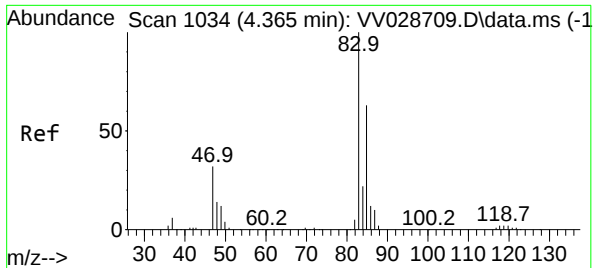
Ion Ratio Lower Upper

96 100

61 115.8 101.4 188.2

68 0.0 0.5 0.9#

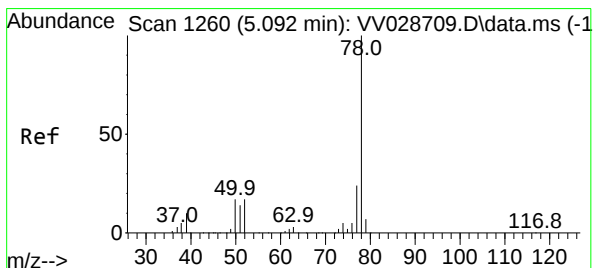
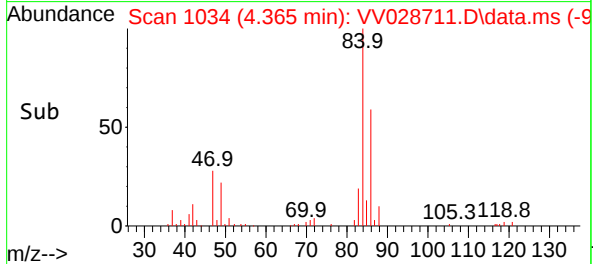
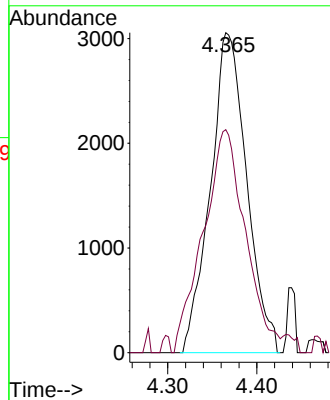
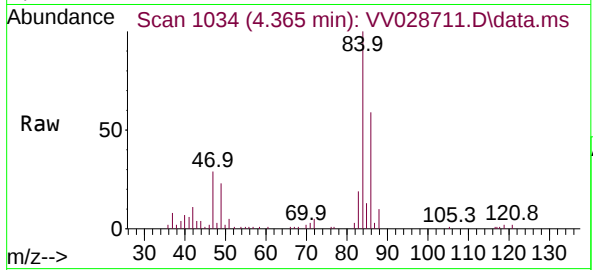




#25
Chloroform
Concen: 0.434 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

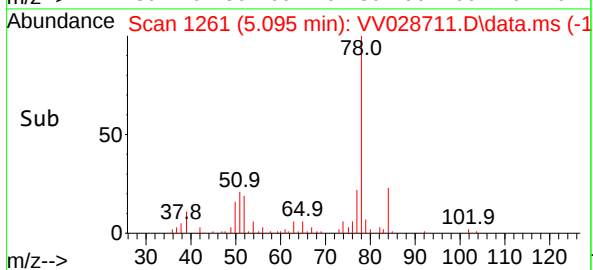
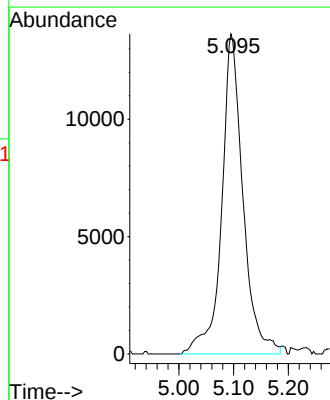
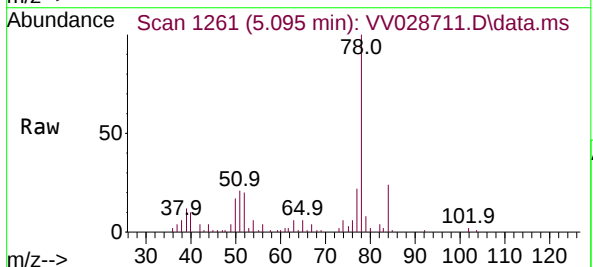
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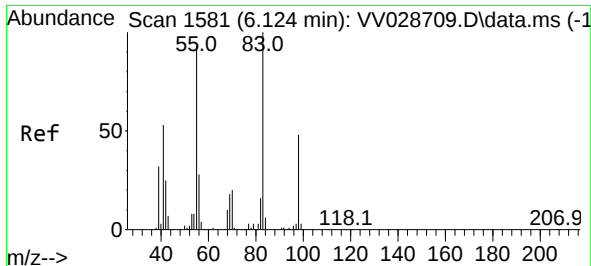
Tgt Ion: 83 Resp: 8665
Ion Ratio Lower Upper
83 100
85 69.7 44.1 81.9



#33
Benzene
Concen: 0.850 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 78 Resp: 36769

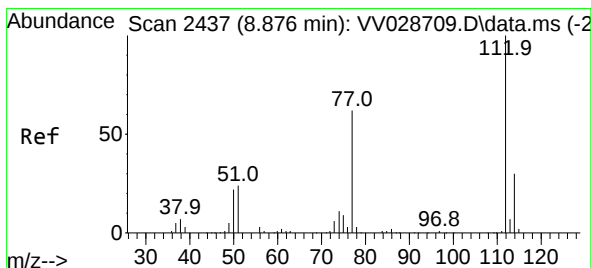
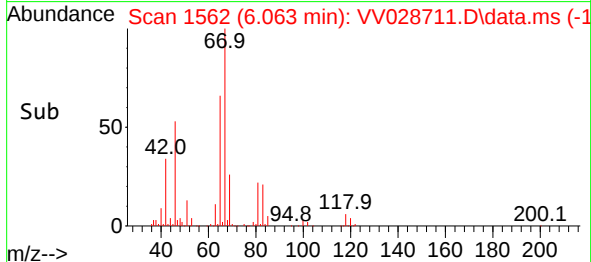
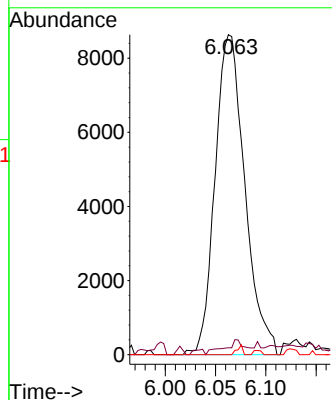
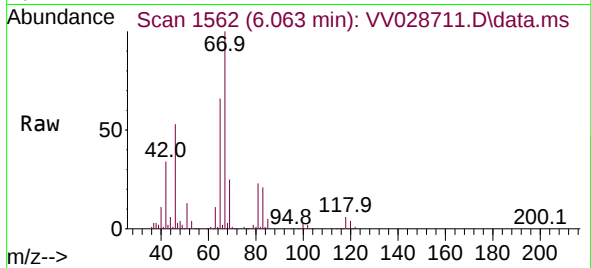




#35
Methylcyclohexane
Concen: 1.200 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

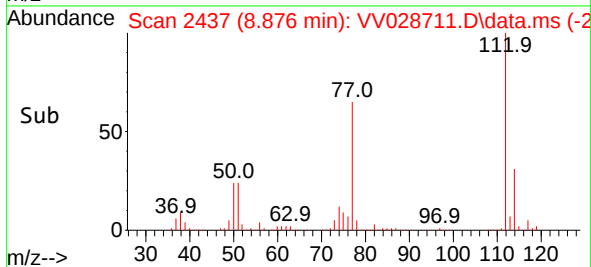
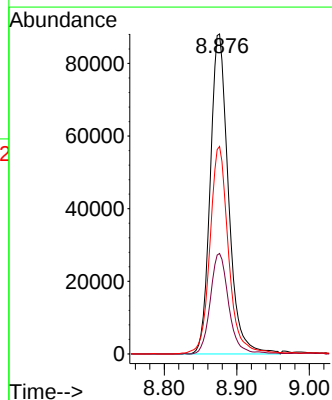
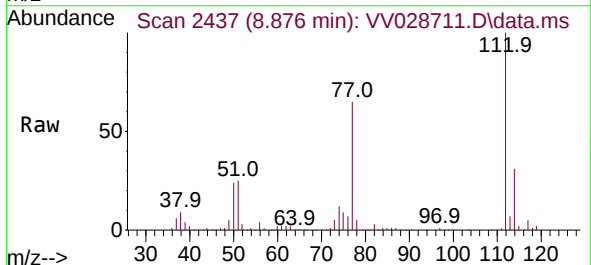
Instrument :
MSVOA_V
ClientSampleId :
BHA65

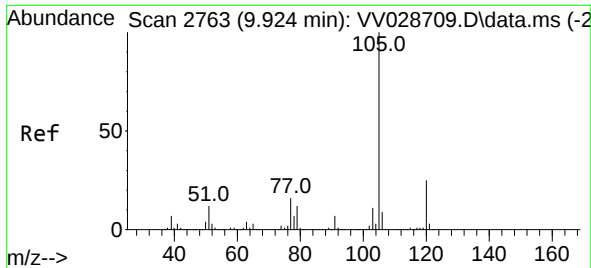
Tgt Ion: 83 Resp: 17775
Ion Ratio Lower Upper
83 100
55 3.2 70.0 105.0#
98 0.6 35.6 53.4#



#51
Chlorobenzene
Concen: 5.941 ug/L
RT: 8.876 min Scan# 2437
Delta R.T. 0.000 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 112 Resp: 153493
Ion Ratio Lower Upper
112 100
114 31.4 22.0 41.0
77 64.8 50.0 75.0

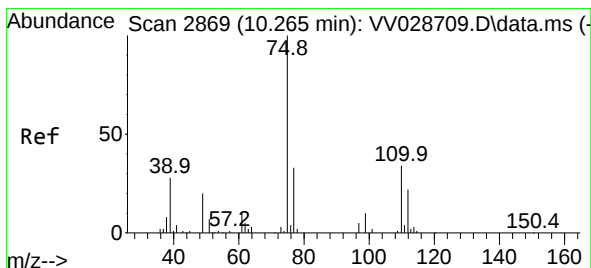
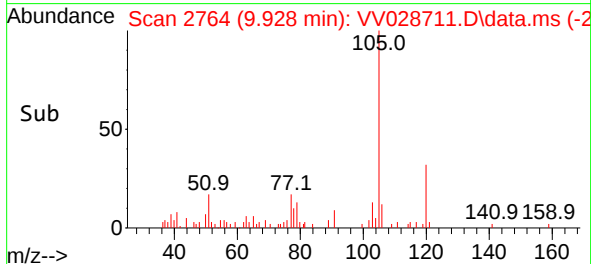
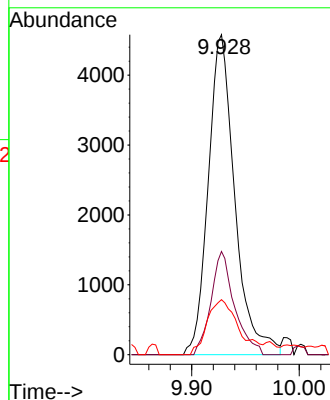
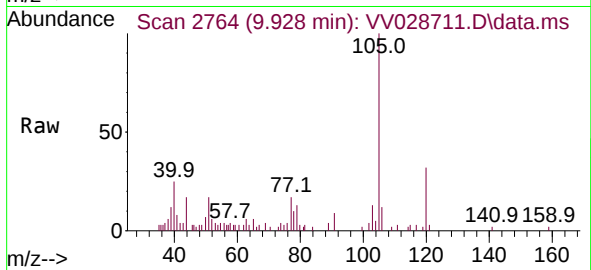




#60
Isopropylbenzene
Concen: 0.199 ug/L
RT: 9.928 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

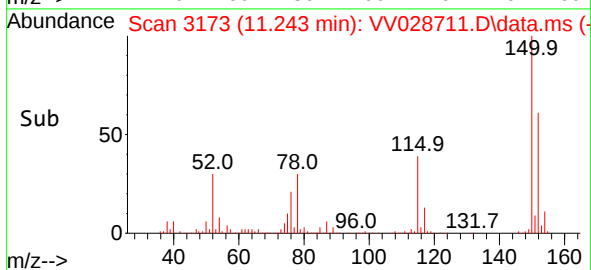
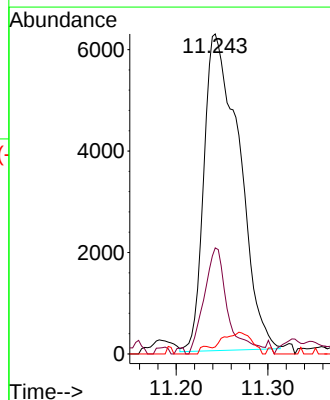
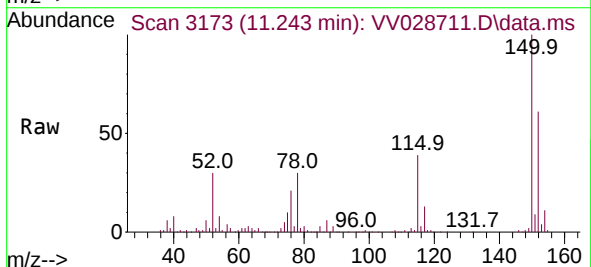
Instrument :
MSVOA_V
ClientSampleId :
BHA65

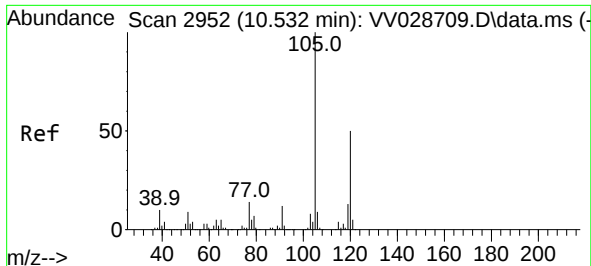
Tgt Ion:105 Resp: 7867
Ion Ratio Lower Upper
105 100
120 28.5 20.1 30.1
77 0.0 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 3.080 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.977 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion: 75 Resp: 16652
Ion Ratio Lower Upper
75 100
77 22.6 25.2 37.8#
110 0.8 27.9 41.9#

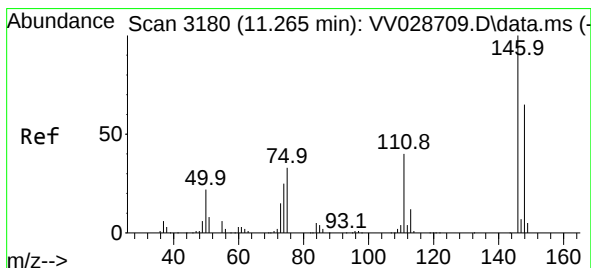
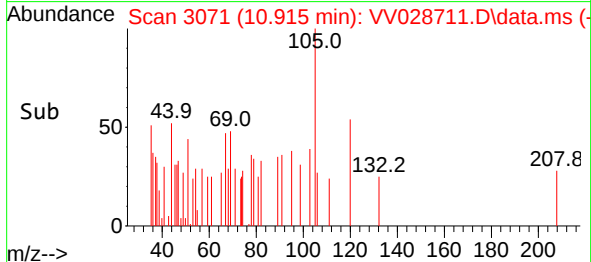
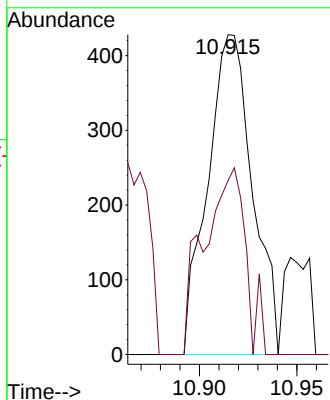
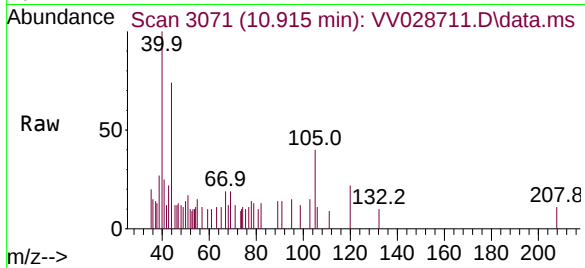




#62
1,3,5-Trimethylbenzene
Concen: 0.059 ug/L
RT: 10.915 min Scan# 30
Delta R.T. 0.383 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

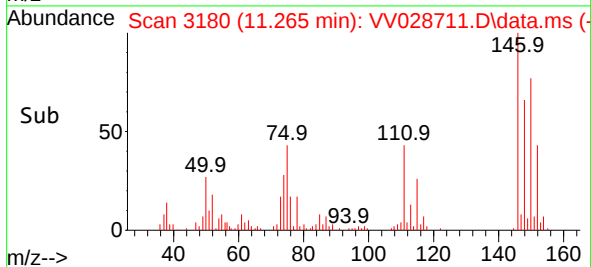
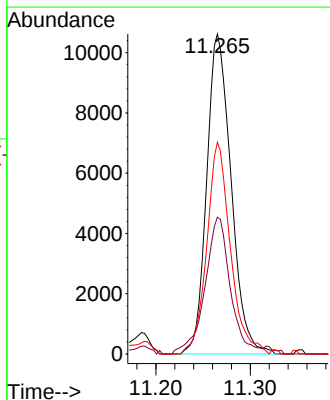
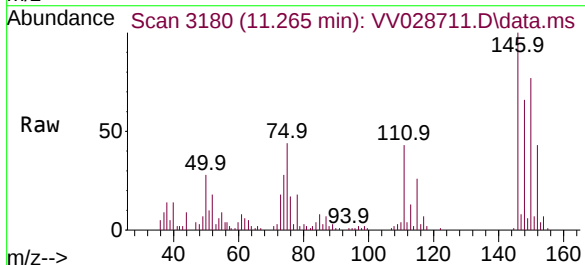
Instrument :
MSVOA_V
ClientSampleId :
BHA65

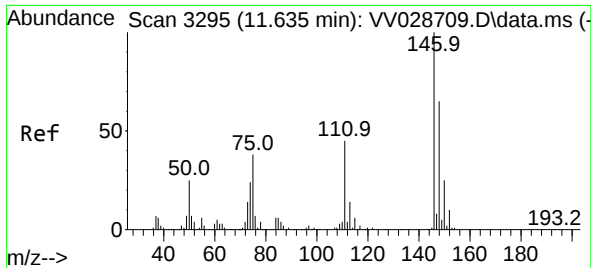
Tgt Ion:105 Resp: 686
Ion Ratio Lower Upper
105 100
120 42.0 38.3 57.5



#65
1,4-Dichlorobenzene
Concen: 1.118 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion:146 Resp: 19033
Ion Ratio Lower Upper
146 100
111 42.8 28.6 53.2
148 66.2 44.3 82.3

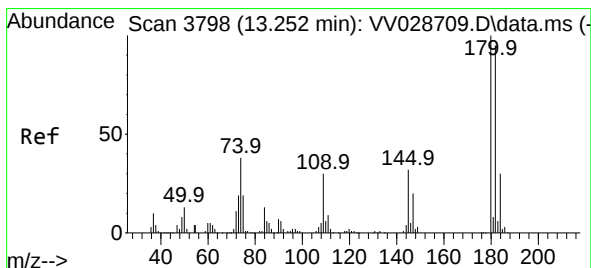
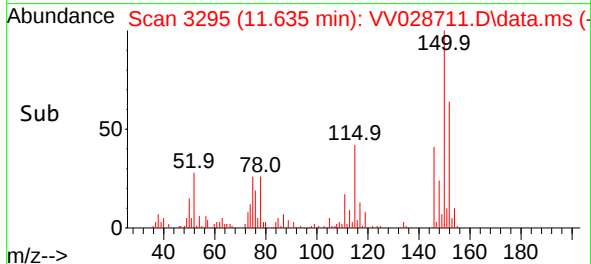
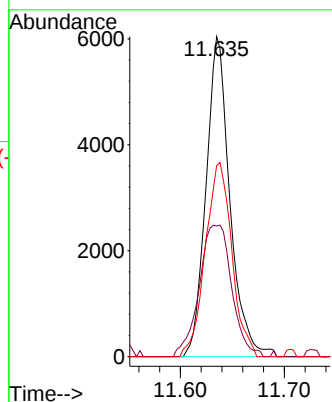
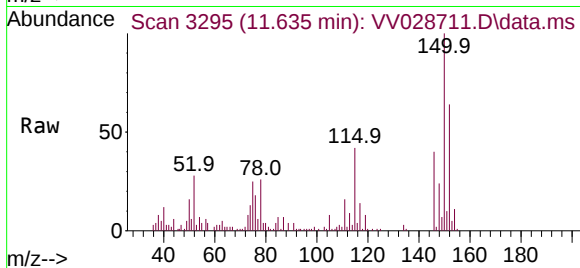




#67
1,2-Dichlorobenzene
Concen: 0.619 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Instrument :
MSVOA_V
ClientSampleId :
BHA65

Tgt Ion:146 Resp: 9658
Ion Ratio Lower Upper
146 100
111 40.9 36.2 54.4
148 59.7 50.6 75.8



#70
1,2,4-trichlorobenzene
Concen: 0.059 ug/L
RT: 13.268 min Scan# 3803
Delta R.T. 0.016 min
Lab File: VV028711.D
Acq: 27 Oct 2022 11:34

Tgt Ion:180 Resp: 585
Ion Ratio Lower Upper
180 100
182 73.3 74.7 112.1#
145 254.0 25.5 38.3#

